

SS7/0N-0A

cylindrical photosensors

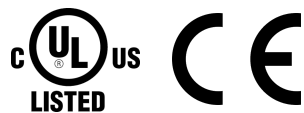
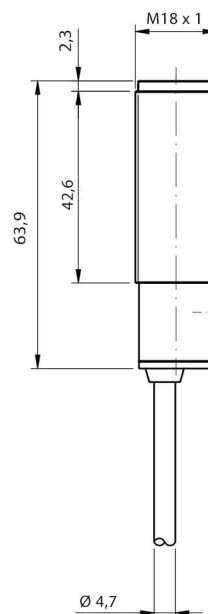


Micro Detectors

Italian Sensors Technology



Indicative image



Detection properties

Nominal sensing distance	400mm
Thermal drift of Sr	≤10% Sr
Repeat Accuracy	5%
Sensitivity adjustment	Trimmer

Application

Function Principle	Diffuse reflection (medium distance, ≤600mm)
Notes	white target 90% Kodak 200x200mm
Optic position	Axial

Outputs

Output type	NPN
Output Function	LO/DO selectable
Switching frequency	250Hz

Electrical data

Operating Voltage	10...30Vdc
No-Load supply current	≤30mA
Load current	≤100mA

Leakage current	≤10μA
Output voltage drop	1,2V max. IL =100 mA
Max ripple content	10%
LED indicators	Yellow (output state)
Time delay before availability	≤200ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	Infrared (880 nm)
Interference to external light	3000lux (incandescent lamp), 10000lux (sunlight)
Impulsive Overvoltage Protection	Yes

Mechanical data

Dimensions	M18 x 1/L=63,9mm
Weight	70g
Housing Material	PBT / PC cable exit
Connections	2m PVC cable
Active Head Material	PMMA
Tightening torque	1Nm
Operating temperature	- 25°C...+ 70° C (Without freeze)
Diameter/Dimension	M18

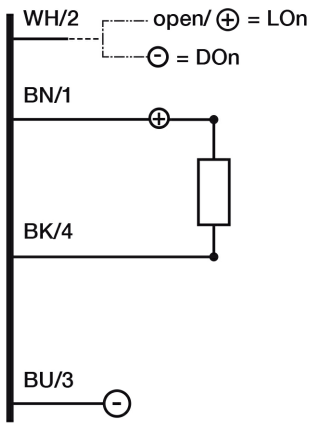
Test/Approvals

Approvals	CE, cULus
EMC compatibility	EN 60947-5-2
Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27
Degree of protection	IP67

Accessories

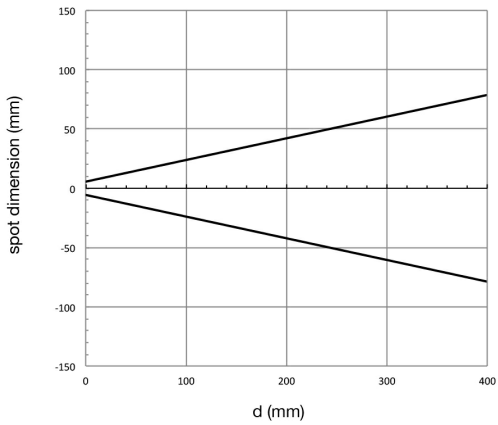
Supplied Accessories nuts M18 x 1, screwdriver

ELECTRICAL DIAGRAMS OF THE CONNECTIONS

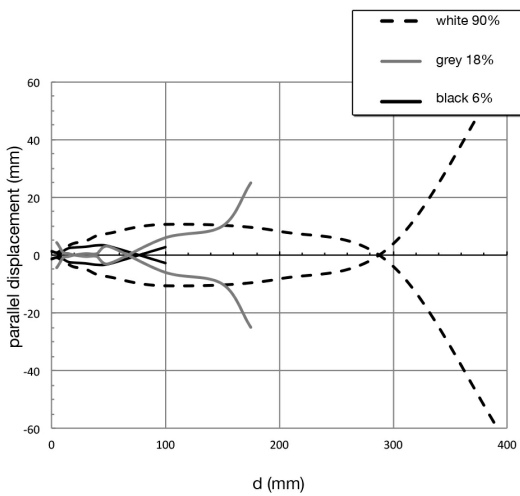


RESPONSE CURVES

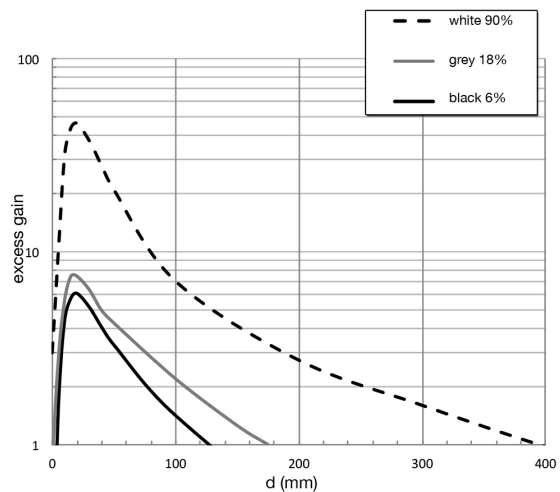
Dimensione Spot



Disassamento Parallelo



Eccesso di Guadagno



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date of printing

30/11/2020 17:21:39